

Title (en)

A bidirectional load current sense circuit for a H-bridge

Title (de)

Bidirektionale Stromabfühlschaltung für eine H-Brücke

Title (fr)

Un circuit de détection du courant de charge bi-directionnel pour un pont de type-H

Publication

EP 0693749 B1 20010523 (EN)

Application

EP 94410051 A 19940719

Priority

EP 94410051 A 19940719

Abstract (en)

[origin: EP0693749A1] The present invention relates to a current sense device for a load arranged in a diagonal of a H-bridge comprising MOS transistors (M1, M2, M3, M4) and operating in class AB, characterized in that it comprises first means, independent from the H-bridge, for measuring the current (I) flowing in the load (1). A current-voltage converter (3) for converting the current measured by said first means into a voltage (Vout) proportional to said current, this voltage being applied to a sense amplifier that determines the transconductance gain of a control amplifier of the transistors of the H-bridge. <MATH>

IPC 1-7

G11B 5/55

IPC 8 full level

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CPC (source: EP US)

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Cited by

US6753717B2; EP0834871A1; US6151186A; US7616458B2; EP2515126A1; US8796998B2; US10516955B2; WO2012143590A1

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